

ABSTRACT

"Pumping Device for Transferring at least a Fluid into a Consumable".

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5 This invention concerns a pumping device (1) for transferring a fluid sample (2) within a sealed consumable (3), the transfer being performed between at least one first compartment, said to be initial (4), and at least one second compartment, said to be receiving (5), via a narrower section such as a transfer channel (6).

10 It consists in that the point of intersection between an initial compartment (4) and the narrower section is located in the lower part, preferably at the lowermost point of this initial compartment (4), and that the point of intersection between a receiving compartment (5) and said narrower section is located in the upper part, preferably at the uppermost point of this initial compartment (5), and that at least one of the initial and/or receiving compartments (4 and/or 5) can be deformed in such a way that each deformation induces transfer of all or part of the sample (2).

20 The invention is particularly applicable for the micromanipulation of fluids in biological applications.

Figure 1